

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region III - 6th & Walnut Sts.

Philadelphia, Pa. 19106

SUBJECT: RCRA Inspection - *Solid State Scientific*  
*Montgomeryville, PA*  
*PHD 002278331*

DATE: 2/12/85

FROM: *gk* Gregory A. Koltonuk, Environmental Scientist  
RCRA Enforcement Section (3HW11)

TO: File

Thru: Peter W. Schaul, Chief  
RCRA Enforcement Section (3HW11)

BASED UPON A REVIEW OF THE RCRA INSPECTION REPORT FOR THE FACILITY  
REFERENCED ABOVE, I HAVE DETERMINED THAT NO FURTHER ACTION IS  
REQUIRED AT THIS TIME.



HAZARDOUS WASTE INSPECTION REPORT  
Generators - Part A

CC

Date of inspection 11-9-84 Time start 1300 Time finish 1430  
Name of inspector ROBERT ALLEN  
Company, installation name SOLID STATE SCIENTIFIC  
Location 12 COMMERCE DRIVE MONTGOMERYVILLE  
County MONTGOMERY Municipality MONTGOMERY TWP.  
Identification number PAD002278331  
Name of responsible official PETER LOCONTO  
Title GM  
Mailing address 3900 WELSH RD. WILLOW GROVE PA. 19090  
Area code and phone no. \_\_\_\_\_  
Name of person interviewed JOSEPHINE HISTAND  
Title CHEMICAL TECHNICIAN  
Mailing address (if different from above) \_\_\_\_\_  
Area code and phone no. \_\_\_\_\_

1. Current waste handling method:

- a. ☒ On-site ☐ treatment, ☒ storage, ☐ disposal  
b. ☐ On-site ☐ use, ☐ reuse, ☐ recycle, ☐ reclaim  
c. ☒ Off-site ☒ treatment, ☒ storage, ☐ disposal  
d. ☐ Off-site ☐ use, ☐ reuse, ☐ recycle, ☐ reclaim

DEC 18 1984

2. Amount of hazardous waste produced:

- a. 3000 kg./mo.  
b. \_\_\_\_\_ kg./yr.

3. Types of hazardous waste produced by Hazardous Waste Number:

D001 D002

F002, 3, 5

4. Are hazardous wastes transported off-site by the generator? ☐ Yes ☒ No



HAZARDOUS WASTE INSPECTION REPORT  
Generators - Part B

1-NON-COMPLIANCE, 2-COMPLIANCE, 3-NOT APPLICABLE, 4-NOT DETERMINED

COMPLIANCE STATUS				REQUIREMENT	CHAPTER CITATION
1	2	3	4		
	✓			Identification number	(c) (1)
	✓			Hazardous waste shipments offered only to licensed transporters	(c) (4)
	✓			Authorization received from TSD facility for wastes shipped off-site	(d)
	✓			PA manifest used for intrastate shipments	(e) (1) (i)
		✓		Disposer state manifest or EPA format manifest used for out-of-state shipments	(e) (1) (ii)
	✓			Manifests filled out properly and completely	(e) (1)
	✓			Manifests routed properly and within time limits (24 hours)	(e) (2)
	✓			Proper U.S. DOT shipping containers or packages	(f) (1) (i)
	✓			Shipping containers marked and labeled according to U.S. DOT	(f) (1) (ii)
	✓			Containers of 110 gal. or less marked with required PA label	(f) (1) (iii)
		✓		Placards offered to transporter	(f) (2)
	✓			Wastes accumulated on-site for less than 90 days	(g) (1)
	✓			Wastes stored in proper containers and properly marked and labeled	(g) (1) (i)
	✓			Containers managed in accordance with 75.265(g)	(g) (1) (ii)
	✓			Containers clearly marked with accumulation date and visible for inspection	(g) (1) (iii)
	✓			Records retained at designated location for 20 years	(h)
	✓			Quarterly reports submitted to the Department	(i)
	✓			Exception reporting procedures followed	(j)
	✓			Hazardous waste disposal plan, if required	(l)
	✓			Spill reporting procedures followed	(m) (1)
	✓			Preparedness, Prevention and Contingency Plan approved and implemented	(m) (5)
	✓			Special requirements followed for international shipments	(o)

DEC 18 1984



1- NON-COMPLIANCE, 2- COMPLIANCE, 3- NOT APPLICABLE, 4- NOT DETERMINED						
COMPLIANCE STATUS				REQUIREMENT	CHAPTER CITATION	
1	2	3	4			
	✓			Containers managed to prevent leaks and spills	(q) (1), (4)	
	✓			Containers are compatible with waste stored.	(q) (2)	
	✓			Containers are closed during storage	(q) (3)	
	✓			Container storage area inspected weekly for leaks, deterioration, etc.	(q) (5)	
	✓			Containers holding ignitable or reactive wastes are set back 15 m (50 ft) from property line.	(q) (6)	
		✓		Satisfactory procedures followed for handling incompatible wastes.	(q) (7), (8)	
		✓		Incompatible wastes separated or protected from other materials.	(q) (9)	
	✓			Containers and tanks labeled to identify accurately hazardous waste contained.	Act 97 Section 403(b) (2)	
		✓		Precautions taken for tanks holding ignitable, reactive, or incompatible waste or material	(r) (2)	
	✓			Tanks managed to prevent leaks, rupture, corrosion, or otherwise failing.	(r) (3)	
		✓		Uncovered tanks operated to ensure at least 60 cm (2 ft) of freeboard.	(r) (4)	
		✓		Uncovered tanks equipped with an overflow alarm and an overflow device to a standby tank with a capacity equal to or exceeding the freeboard requirement.	(r) (4)	
	✓			Continuously fed tanks equipped with a means to stop the inflow.	(r) (5)	
		✓		Containment structure with a capacity that equals or exceeds the largest above ground tank volume plus a reasonable allowance for precipitation based on local weather conditions and plant operations provided for liquid storage in above ground or partially above ground tanks.	(r) (6)	
		✓		Waste analyses and/or trial tests conducted on hazardous wastes substantially different from wastes previously treated or stored; or chemically treat hazardous waste with a substantially different process than any previously used in that tank.	(r) (7)	
		✓		Discharge control equipment inspected once each operating day.	(r) (8) (i)	
		✓		Monitoring equipment data inspected once each operating day.	(r) (8) (ii)	
	✓			Liquid level of tanks inspected once each operating day.	DEC 18 1984 (r) (8) (iii)	
	✓			Construction materials of tanks inspected weekly.	(r) (8) (iv)	
	✓			Construction materials of discharge confinement structures and area immediately surrounding inspected weekly.	(r) (8) (v)	
		✓		All hazardous waste removed from tanks and related appurtenances at closure.	(r) (9)	
		✓		Placement of ignitable or reactive waste only with the Department's approval	(r) (10)	
		✓		Covered tanks in which ignitable or reactive waste is treated or stored meets NFPA buffer zone requirements.	(r) (11)	
		✓		Precautions taken for handling ignitable, reactive or incompatible waste or material.	(r) (12), (13)	



HAZARDOUS WASTE INSPECTION REPORT  
Part C - Comments

11-9-84  
(11-9)

Date of Inspection 11-9-84 Identification Number PAD001228331  
Company, Installation Name SOLID STATE SCIENTIFIC  
County MONTGOMERY Municipality MONTGOMERY TWP.

THIS FACILITY HAD INTERIM STATUS ~~FOR~~ FOR STORAGE & TREATMENT  
BUT WILL NOT SEEK A PERMIT FOR THESE ACTIVITIES. THERE-  
FORE A NEW NOTIFICATION MUST BE SUBMITTED DELETING  
SAME. NO WASTES CAN BE STORED > 90 DAYS.

NO VIOLATIONS OBSERVED.

DEC 18 1984

This inspection report is official notification that a representative of the Department of Environmental Resources, Bureau of Solid Waste Management, inspected the above installation. The findings of this inspection are shown in this report. Any violations which were uncovered during the inspection are indicated. Violations may also be discovered upon examination of the results of laboratory analyses and review of Department records. Notification will be forthcoming, confirming any violations indicated herein and listing any additional violations.

Person Interviewed (signature) Josephine G. H. H. Date 11/9/84  
Inspector (signature) [Signature] Date 11-9-84



**SOLID  
STATE  
SCIENTIFIC**



*copy both files*

6/19/84

SOLID STATE SCIENTIFIC, INC.

3900 Welsh Road  
Willow Grove, PA 19090  
(215) 657-8400 TWX 611-661-7267

August 2, 1984

Commonwealth of Pennsylvania  
Department of Environmental Resources  
Division of Hazardous Waste Management  
P.O. Box 2063  
Harrisburg, PA 17120

Dear Sir/Madam:

I am writing to request a change in the addressing of correspondence from the Department regarding hazardous waste manifesting and permitting. Currently items are being addressed to Robert Ashton. I am requesting that the Department address any correspondence regarding permitting and manifesting on hazardous wastes at Solid State Scientific's facilities to Josephine Histan.

The EPA I.D. numbers for the two facilities involved are PAD000765800 for the Willow Grove facility and PAD002278331 for the Montgomeryville facility.

Thank you for your cooperation.

Sincerely,

*Josephine Histan*

Josephine Histan  
Chemical Technician

JH/jjj

*copy of letter from JH to EPA dated 8/2/84  
copy of letter from EPA to JH dated 8/2/84*



(D. Name and Address of Newspaper)

FEB 25 1965

FROM (Name and Address of Agency)

Dept. of Environmental Resources  
Solid Waste Management  
1875 New Hope Street  
Norristown, PA 19401 #120035

Herewith is enclosed copy for publication of advertisement for proposals to:

☐ Employ    ☐ Purchase    ☐ Contract    ☐ Sell

Publication Advertisement (No. of Times)

Maximum No. Lines

Date \_\_\_\_\_

2/14/85

Order No.	
-----------	--

**Dates of insertion**

Signature for Agency

July 7 Daily J.

You, as vendor, are authorized to publish this advertisement in your newspaper, subject to the terms of this order, as follows: Advertisement to be published in regular advertising columns, no position specified; caption of two lines and signature to be in capitals and subject matter and title of officer to be set sold in type regularly used by your newspaper for public (legal) notice advertising; charge to be made at the rate charged to and paid by commercial advertisers for matter similarly set and occupying similar space; advertisement to be run in all your editions as specified above. Vendor agrees that, in the performance of any contract awarded to it hereunder, said vendor will not discriminate against any employee or other persons on account of race, color, sex, religious creed, ancestry, age or national origin and that the Commonwealth, upon receipt of satisfactory evidence of such discrimination shall have the right to cancel said contract.

Return this copy at once if you will not accept this advertisement under the terms set forth.

If published, the original and two copies must be signed by the editor or publisher. The original must be notarized. The fourth copy is yours.

Commonwealth to be billed only for actual number of printed lines published.

FUND	DEPT	APP	YEAR	LEGS	ORG	COST CENTER	OBJ	PPS		AMOUNT
								SUB CATG	ELEM	
01	35	39	84	7	411	41130	325			47.45

TO BE COMPLETED BY PUBLISHER:

**IMPORTANT** Charge for Publication of Advertising as per Authorization

[illegible]

PY HERE

Commonwealth of Pennsylvania  
County of Montgomery

Before me, the subscriber, a Notar  
who being duly sworn, doth depose and say  
the Today's Spirit

that the advertisement, of which copy is attached, appears in all editions of said newspaper, in all respects, at a rate higher than is charged any ordinary advertisement, in a similar manner, in said newspaper.

Sworn and subscribed before me this  
day of February 1961

Notary Public

My commission expires 1 1 1961

\_\_\_\_\_

**Public Notice of Receipt of a  
Hazardous Waste Facility  
Closure Plan**

Pennsylvania Department of  
Environmental Resources, 1875  
New Hope Street, Norristown,  
Pennsylvania 19001.

On December 21, 1984, Solid State Scientific, 3900 Welsh Road, Willow Grove, Pennsylvania 19090, PA000278331, submitted to the Department of Environmental Resources at the above office, notification of its intent to close its hazardous waste storage facility. This facility is located at 12 Commerce Drive, Montgomeryville, Pennsylvania 18906.

Under the Authority of the Pennsylvania Solid Waste Management Act of 1980, the Department will review the closure plan, making any modifications and grant approval to proceed with closure.

public to proceed with closure of the site. The public comments received are available for review at the DER Regional Office, 1875 New Hope Street, Norristown, Pennsylvania 19401, between the hours of 8:00 A.M. and 4:00 P.M., Monday through Friday. Any person desiring further information or an appointment to inspect the documents should contact Mr. James A. Dolan, Hazardous Waste Coordinator at 215-881-2876. Persons wishing to comment on the proposed plan should submit a public hearing request. The request should submit their comments or requests to Mr. Dolan at the above address. All valid comments must be received by March 20, 1985. These will be considered in the final determination of this closure plan.

Comments are requested only on the closure plan described above. Comments outside the scope of the closure plan will not be accepted nor be acted upon.

Re 301W 31.14      Spirit-Feb 21-14

County, personally came Fred D. Behringer  
President

newspaper published at **Hatboro**

red in the regular advertising columns of said newspaper, in  
d above; and that the Commonwealth is not charged therefor  
for a similar amount of matter occupying similar space and

And W. Belmont

Signature of Affiant

## 1. TREASURY

**Publisher**

REC'D  
3/8/85  
2 PA 3



RCRA FACILITY CLOSURE CHECKLIST

501  
502

Facility Name: ~~John State Scientifics~~

Facility Address: 12 Commerce Dr.  
Montgomeryville, PA

Facility I.D. Number: PAD 00 227 8331

Type of Closure: Full ☒ Partial ☐  
S01

Date Closure Plan Received: 12/21/84 - rev. 3/26/85

Date of Public Notice: 2/21/85

Date Plan Approved: 3/11/85

Date Inspected: 9-19-85

Date of Certification: PE 9-11-85  
OS 9-16-85

Date Facility Closed: \_\_\_\_\_

Facility Status: Generator ☒ Transporter ☐  
TSD Only ☐

Date Entered in HWDMS: \_\_\_\_\_

EPA Lead Person \_\_\_\_\_

State Lead Person Jim [Signature]

10/16/85  
10/16/85  
10/16/85  
10/16/85  
10/16/85





*Rick* *Joe J. Doyle Jr.*

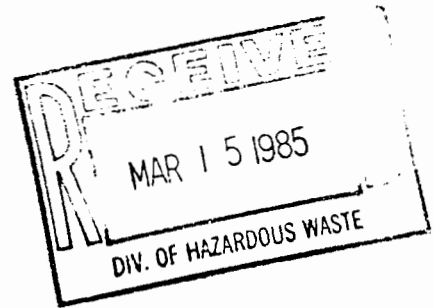
COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES



Bethlehem Office  
520 East Broad Street  
Bethlehem, PA 18018  
861-2070

March 11, 1985

Ms. Josephine Histan  
Chemical Technician  
Solid State Scientific, Inc.  
3900 Welsh Road  
Willow Grove, PA 19090



Re: Closure of Hazardous Facility  
PAD002278331 *wrong # (?)*

Dear Josephine:

The referenced closure plan has been reviewed by our technical staff. In order to grant final approval, the following information will be required.

1. A complete description of the areas to be closed.  
This should include:
  - a) Dimensions and capacities
  - b) Materials of construction
  - c) Additional equipment which may require decontamination such as sumps, pads, pumps, etc.
  - d) Surrounding area description delineating paved and unpaved areas.
  - e) Site history including a description of the materials managed on site and any spill or release incidents.
  - f) Results of a visual inspection. For paved drum storage areas this should include a description of the pad, curbs, sumps, and surrounding areas. Conditions to be noted should include cracks, stains, residue, and denuded areas which should be vegetated. Outside storage tanks should be inspected for similar evidence of spills and contamination.




March 11, 1985

2. A complete description of the proposed decontamination procedures should be provided, and should include the following:
  - a) A description of the cleaning procedure (water washdown, steam-cleaning, etc.) to be used for each piece of equipment.
  - b) If a review of operating history or a visual inspection indicate that some soil or groundwater pollution may be present, a technique for evaluating and rectifying the situation must be provided.
  - c) A testing method to insure the decontamination procedure is efficient.
  - d) A disposal method for the clean-up residue.

Upon receipt of the above information, the plan will be deemed approved and closure may proceed. When all closure activities are completed, please execute the attached certifications and forward them to me at the above address.

If you have any questions, please do not hesitate to call me.

Very truly yours,

 James A. Dolan  
Hazardous Waste Coordinator

JAD/bal

Enclosure

CC: Field Supervisor  
U.S. EPA Code 311W33  
Division of Hazardous Waste Management



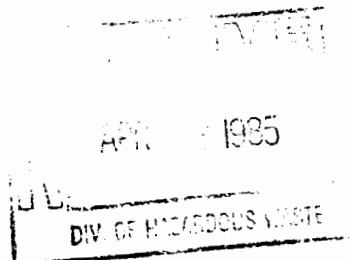


COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
1875 New Hope Street  
Norristown, PA 19401  
215 270-1920



March 28, 1985

Mr. Al Corace  
Manager of Building Services  
Solid State Scientific, Inc.  
Montgomeryville Industrial Center  
Montgomeryville, PA 18936



Re: PAD002278331  
Solid State Scientific, Inc.  
Montgomeryville Facility

Dear Mr. Corace:

We have completed the review of your hazardous waste facility closure plan submitted after the withdrawal of your hazardous waste Part A application.

Your closure plan has been found to be acceptable. I am returning your hazardous waste Part A application and you will now be considered a hazardous waste facility generator only which terminates your interim status as a hazardous waste container storage, tank storage and tank treatment facility.

We are now closing our records on the review of this application.

Very truly yours,

WAYNE L. LYNN  
Regional Solid Waste Manager

cc: Montgomery Township  
Montgomery County Planning Commission  
Mr. Danyliw  
Re 30 2W87.16





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES

RECEIVED  
PA SECTION

SEP 27 1985

EPA, R3

Bethlehem Office  
520 East Broad Street  
Bethlehem, PA 18018  
861-2070

September 26, 1985

Re: Closure of Hazardous  
Waste Management Facilities  
PAD002278331 *gmo*  
PAD000765800 *WG*

Ms. Josephine Histan  
Solid State Scientific, Inc.  
3900 Welsh Road  
Willow Grove, PA 19090

Dear Josephine:

This is to acknowledge receipt of your correspondence dated September 16, 1985 confirming completion of closure of the Montgomeryville facility. Also contained in this correspondence were the certifications of closure for this facility. An inspection on September 19, 1985 indicates that closure was in accordance with the approved plan. This completes the Department's requirements for closure of your Montgomeryville plant.

An inspection on August 16, 1985 of the Willow Grove facility of SSSI confirmed that storage of hazardous wastes for less than 90 days is occurring. This completes the Department's requirements for withdrawal of interim status.

Thank you for your cooperation during these closures. If you have any questions or if I can be of further service, please do not hesitate to call.

Very truly yours,

James A. Dolan  
Solid Waste Specialist

JAD/bal

CC: L. Luns  
G. Danyliw  
Division of Hazardous Waste Management  
U.S. EPA Code 3HW33



PROFESSIONAL ENGINEER CERTIFICATION OF CLOSURE

I, William L. Deane, a Professional Engineer registered  
(Name)

pursuant to the Professional Engineers Registration Law, 63 P.S. §§148  
et seq., hereby certify that I have reviewed the Closure Plan for the  
Storage Area, Drum and Solvent Storage Areas and Wastewater Treatment Plant

(Type of Facility)

at Building No. 2 ("facility"), located at  
(Name of Hazardous Waste Facility)

Solid State Scientific, Incorporated, Montgomeryville, Pa.,

(Location)

that I am familiar with the rules and regulations of the Pennsylvania  
Department of Environmental Resources pertaining to closure of such facility,  
and that I personally have made visual inspection(s) of the aforementioned  
facility, in addition to the visitations of my staff, and that the closure  
of the aforementioned facility has been performed in full and complete  
accordance with the facility's closure plan approved in writing by the  
Department of Environmental Resources on September 1, 1985,  
and the rules and regulations of the Department codified at 25 Pa.  
Code Chapter 75.

William L. Deane

(Signature)

11 September 1985

(Date)

32361-E

(Professional Engineering License Number)

Storch Engineers  
220 Ridgedale Avenue  
Florham Park, NJ 07932

(Business Address)

(Seal)

201-822-2600

(Telephone Number)

Please refer to the attached engineering report in support of this  
certification.



OWNER OR OPERATOR CERTIFICATION OF CLOSURE

The undersigned, of Solid State Scientific, Inc, a (1) Corporation,  
(Name of Owner or Operator)  
incorporated under the laws in the State of Delaware and licensed to do business in  
Pennsylvania, or (2) \_\_\_\_\_,  
(Partnership, Individual, Municipality or Other Entity)  
with its principal place of business at 3900 Welsh Road, Willow Grove 19090, which  
(Address)  
formerly owned or operated a hazardous waste Storage and Treatment Facility  
(Description of Hazardous Waste Activity)  
(hereinafter "Facility") known as Solid State Scientific, Inc. and  
(Name of Hazardous Waste Facility)  
located at Commerce Drive & Enterprise Road, Montgomeryville  
(Location)  
Montgomery County, Pennsylvania, has completed and permanently ceased the  
active operation of the facility and has fully implemented all measures relating to the  
closure of the facility as set forth in the Closure Plan approved by the Pennsylvania  
Department of Environmental Resources for said facility.

NOW, THEREFORE, I (we) John Robert Michael Hinsley  
(Name of Owner/Operator)

hereby swear and affirm that the above-named hazardous waste facility has been closed in  
accordance with the facility's Closure Plan approved in writing by the Department on  
September 1st, 1985, that all measures relating to the closure of the facility required  
by the Closure Plan and the rules and regulations of the Department codified at 25 Pa. Code  
Chapter 75 have been fully implemented, and that to the best of my (our) knowledge, no  
violations continue to exist that may have arisen prior to closure.

JRM Hinsley  
(Signature)

Director Of Facilities  
(Title)

3900 Welsh Road, Willow Grove, PA 19090  
(Address)

Taken, sworn and subscribed before me, this  
16th day of September A.D. 1985

Herman S. Richard  
(Notary)

HERMAN S. RICHARD, NOTARY PUBLIC  
NEW HANOVER TWP., MONTGOMERY COUNTY  
MY COMMISSION EXPIRES JAN. 13, 1987  
Member, Pennsylvania Association of Notaries





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES



Bethlehem Office  
520 East Broad Street  
Bethlehem, PA 18018  
861-2070

March 28, 1985

Ms. Josephine Histan  
Chemical Technician  
Solid State Scientific, Inc.  
3900 Welsh Road  
Willow Grove, PA 19090

Re: Closure of Hazardous Waste Management Facility  
PAD002228331  
Plan Revision

Dear Josephine:

This is to acknowledge receipt of the subject plan revision dated March 26, 1985. As indicated in my March 11, 1985 correspondence, closure may proceed. Please forward the completed closure certifications to this office. Upon receipt of these certifications, a final closure inspection will be scheduled.

Thank you for your cooperation. If I can be of any further assistance please do not hesitate to call.

Best regards,

James A. Dolan  
Hazardous Waste Coordinator

JAD/bal

CC: U.S. EPA Code 3HW33 ✓  
Division of Hazardous Waste Management





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES

SOLID STATE  
SCIENTIFIC  
MONTGOMERYVILLE  
MONT CO.

DER-RECEIVED  
MONTGOMERYVILLE

SEP 27 1985

Bethlehem Office  
520 East Broad Street  
Bethlehem, PA 18018  
861-2070

September 26, 1985

Re: Closure of Hazardous  
Waste Management Facilities  
PAD002278331  
PAD000765800

Ms. Josephine Histan  
Solid State Scientific, Inc.  
3900 Welsh Road  
Willow Grove, PA 19090

Dear Josephine:

This is to acknowledge receipt of your correspondence dated September 16, 1985 confirming completion of closure of the Montgomeryville facility. Also contained in this correspondence were the certifications of closure for this facility. An inspection on September 19, 1985 indicates that closure was in accordance with the approved plan. This completes the Department's requirements for closure of your Montgomeryville plant.

An inspection on August 16, 1985 of the Willow Grove facility of SSSI confirmed that storage of hazardous wastes for less than 90 days is occurring. This completes the Department's requirements for withdrawal of interim status.

Thank you for your cooperation during these closures. If you have any questions or if I can be of further service, please do not hesitate to call.

Very truly yours,

James A. Dolan  
Solid Waste Specialist

JAD/bal

CC: L. Luns  
G. Danyliw  
Division of Hazardous Waste Management  
U.S. EPA Code 3HW33



JUN 26 1986

SOLID  
STATE  
SCIENTIFIC



SOLID STATE SCIENTIFIC, INC.

3900 Welsh Road  
Willow Grove, PA 19090  
(215) 657-8400 TWX 510-661-726

June 13, 1986

Mr. James A. Dolan  
Hazardous Waste Coordinator  
Commonwealth Of Pennsylvania  
Department Of Environmental Resources  
520 East Broad Street  
Bethlehem, Pa. 18018

Dear Jim:

Solid State Scientific, Inc. has completed the closure of the building #2 location in Montgomeryville as a generator (manufacturing location). In 1985, the treatment and storage facilities were closed and the certification and report were sent to the DER. SSSI has also had the closure of the building as a generator certified by a professional engineer. Enclosed is a copy of the closure certification and the engineer's report.

If there are any further questions, please contact me at (215) 657-8400 extension 3367.

Sincerely,

Josephine Hestand

JH/ck

cc: C.Phillips

encl.

RECEIVED  
JUN 17 1986

BETHLEHEM DIST. OFF  
DEPT. OF ENV. RES.



PROFESSIONAL ENGINEER CERTIFICATION OF CLOSURE

I, Thomas G. Pullar, a Professional Engineer registered pursuant to  
(Name)

the Professional Engineers Registration Law, 63 P. S. §§148 et seq.,  
hereby certify that I have reviewed the Closure Plan for the

Building 2 - manufacturing facilities at

(Type of Facility)

Solid State Scientific, Inc., Montgomeryville Plant ("facility"),

(Name of Hazardous Waste Facility)

located at the northern corner at the intersection of Commerce Road  
and Enterprise Drive, Montgomery Township, Montgomery County, PA.,

(Location)

that I am familiar with the rules and regulations of the Pennsylvania  
Department of Environmental Resources pertaining to closure of such  
facility, and that I personally have made visual inspections(s) of  
the aforementioned facility, in addition to the visitations of my  
staff, and that the closure of the aforementioned facility has been  
performed in full and complete accordance with the facility's closure  
plan approved in writing by the Department of Environmental Resources  
on September 1, 1985, and the rules and regulations of the Department  
codified at 25 Pa. Code Chapter 75.

Thomas G. Pullar

(Signature)

6/11/86

(Date)

PE-033923-E

(Professional Engineering License Number)

American Resource Consultants, Inc.  
450 East Street  
Doylestown, PA 18901

(Seal)

(Business Address)

(215) 348-0402

(Telephone Number)

The attached engineering report describes the work performed by ARC,  
Inc. and is herein made a part of this closure certification.



SUBJECT: RCRA Inspection - *Solid State Scientific - Montgomeryville, Pa* DATE: *8/25/87*  
*PA 002278331*

M: *JK* Gregory A. Koltonuk, Environmental Scientist  
PA-RCRA Enforcement Section (3HW11)

File

u: Peter W. Schaul, Chief *PA 002278331*  
PA-RCRA Enforcement Section (3HW11)

BASED UPON A REVIEW OF THE RCRA INSPECTION REPORT FOR THE FACILITY  
REFERENCED ABOVE, I HAVE DETERMINED THAT NO FURTHER ACTION IS  
REQUIRED AT THIS TIME.



HAZARDOUS WASTE INSPECTION REPORT  
Generators - Part A

Date of inspection August 6, 1987 Time start 9:00 Time finish 9:10  
Name of inspector CAROL A. QUIALEY  
Company, installation name SOLID STATE SCIENTIFIC  
Location 12 Commerce Drive, MONTGOMERVILLE  
County MONTGOMERY Municipality MONTGOMERY TWP  
Identification number PA00022 78331  
Name of responsible official \_\_\_\_\_  
Title \_\_\_\_\_  
Mailing address \_\_\_\_\_  
Area code and phone no. \_\_\_\_\_  
Name of person interviewed \_\_\_\_\_  
Title \_\_\_\_\_  
Mailing address (if different from above) \_\_\_\_\_  
Area code and phone no. \_\_\_\_\_

1. Current waste handling method:

- a. ☐ On-site ☐ treatment, ☐ storage, ☐ disposal  
b. ☐ On-site ☐ use, ☐ reuse, ☐ recycle, ☐ reclaim  
c. ☐ Off-site ☐ treatment, ☐ storage, ☐ disposal  
d. ☐ Off-site ☐ use, ☐ reuse, ☐ recycle, ☐ reclaim

2. Amount of hazardous waste produced:

- a. NONE kg./mo.  
b. \_\_\_\_\_ kg./yr.

3. Types of hazardous waste produced by Hazardous Waste Number:

4. Are hazardous wastes transported off-site by the generator? ☐ Yes ☐ No



Date of inspection 8/6/87 Identification number PA0002278331  
Company, Installation name SOLID STATE SCIENTIFIC  
County MONTGOMERY Municipality MONTGOMERY TWP.

The building which formerly housed Solid State Scientific is currently for sale. There was no one at this site.

According to Richard Budwig of Phila. Resins (located within the same industrial park), Solid State moved out of the location on Commerce Drive in early 1986.

A review of the Regional File found that the generator closure was certified by a P.E. (see attached copies)

This inspection report is official notification that a representative of the Department of Environmental Resources, Bureau of Solid Waste Management, inspected the above installation. The findings of this inspection are shown in this report. Any violations which were uncovered during the inspection are indicated. Violations may also be discovered upon examination of the results of laboratory analyses and review of Department records. Notification will be forthcoming, confirming any violations indicated herein and listing any additional violations.

Person Interviewed (signature) \_\_\_\_\_ Date \_\_\_\_\_  
Inspector (signature) Carol A. Dugley Date 8/6/87





# DAMES & MOORE

A PROFESSIONAL LIMITED PARTNERSHIP

4620 STREET ROAD, TREVOSE, PENNSYLVANIA 19047 (215) 364-7910

*file in -> SOLID STATE*  
*PA 66 0331*

September 15, 1987

United States Environmental Protection Agency  
Waste Management Branch  
841 Chestnut Street  
Philadelphia, Pennsylvania 19107

Attention: Mr. Garth Conner

Re: Request for EPA I.D. Number  
Horsham Valley Development Corp.  
Horsham, Pennsylvania

Dear Mr. Conner:

The purpose of this letter is to request, on behalf of our client, Horsham Valley Development Corp (HVDC), an EPA I.D. Number. This request is made pending identification and listing, under 40 CRF Part 261, of approximately 250 tons of in-place contaminated soil on property recently purchased by HVDC. HVDC, although in no way responsible for creating or contributing to the creation or existence of the contaminated soil, fully intends to remove and properly dispose of the soil from the property. To accomplish this, an EPA I.D. Number is necessary, as HVDC will become a one-time generator.

Your response to this request will be greatly appreciated. If you have any questions, please contact me.

Very truly yours,

DAMES & MOORE  
A Professional Limited Partnership

*Thor Helgason*

Thor Helgason  
Project Engineer

TH:jw

cc: Ken Bissinger - HVDC

1303R

*Put in Solid State file*  
*per Sam Israel*  
*9/22/87*



United States Environmental Protection Agency  
Washington, DC 20460  
**Notification of Hazardous Waste Activity**Please refer to the *Instructions for Filing Notification* before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).**For Official Use Only**

Comments

C  
C

Installation's EPA ID Number

Approved

Date Received  
(yr. mo. day)C  
FT/A C  
1**I. Name of Installation**

HORSHAM VALLEY DEVELOPMENT CORPORATION - BUILDING NO. 2

**II. Installation Mailing Address**

Street or P.O. Box

C  
3

200 GIBRALTAR RD.

City or Town

State

ZIP Code

C  
4

HORSHAM

PA

19044

**III. Location of Installation**

Street or Route Number

C  
5

160 COMMERCE DR.

City or Town

State

ZIP Code

C  
6

MONTGOMERYVILLE

PA

18936

**IV. Installation Contact**

Name and Title (last, first, and job title)

Phone Number (area code and number)

C  
2

KEN BISSINGER - VICE PRESIDENT

215

675

5456

**V. Ownership**

A. Name of Installation's Legal Owner

C  
R

HORSHAM VALLEY DEVELOPMENT CORPORATION

**VI. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Ref****A. Hazardous Waste Activity**

- ☒ 1a. Generator ☐ 1b. Less than 1,000 kg/mo.  
☐ 2. Transporter  
☐ 3. Treater/Storer/Disposer  
☐ 4. Underground Injection  
☐ 5. Market or Burn Hazardous Waste Fuel  
(enter 'X' and mark appropriate boxes below)  
☐ a. Generator Marketing to Burner  
☐ b. Other Marketer  
☐ c. Burner

**6. Off-Specification (enter 'X' and n**

- ☐ a. Genera  
☐ b. Other Marketer  
☐ c. Burner

**7. Specification Used Oil Fuel Marketer (or On site Burner)  
Who First Claims the Oil Meets the Specification**wrong  
phone  
number**VII. Waste Fuel Burning: Type of Combustion Device (enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)**☐ A. Utility Boiler☐ B. Industrial Boiler☐ C. Industrial Furnace**VIII. Mode of Transportation (transporters only — enter 'X' in the appropriate box(es))**

- ☐ A. Air ☐ B. Rail ☐ C. Highway ☐ D. Water ☐ E. Other (specify)

**IX. First or Subsequent Notification**

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

- ☒ A. First Notification ☐ B. Subsequent Notification (complete item C)

C. Installation's EPA ID Number



ID — For Official Use Only																
C															T/A	C
W																1

# X. Description of Hazardous Wastes (continued from front)

**A. Hazardous Wastes from Nonspecific Sources.** Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
7	8	9	10	11	12

**B. Hazardous Wastes from Specific Sources.** Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

**C. Commercial Chemical Product Hazardous Wastes.** Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

**D. Listed Infectious Wastes.** Enter the four-digit number from 40 CFR Part 261.34 for each hazardous waste from hospitals, veterinary hospitals, or medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

**E. Characteristics of Nonlisted Hazardous Wastes.** Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.21 — 261.24)

☐ 1. Ignitable  
(D001)

☐ 2. Corrosive  
(D002)

☐ 3. Reactive  
(D003)

☐ 4. Toxic  
(D000)

# XI. Certification

*I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.*

Signature

*Kenneth A. Bissinger*  
Vice President

Name and Official Title (type or print)

KEN BISSINGER - VICE PRESIDENT

Date Signed

SEPTEMBER 15, 1987



NOTICE

ORIGINAL  
1988

FACILITY NAME: Solid State Scientific Inc.

EPA ID NUMBER: P4 D 002278331

PRESENT C1105 CODE: 6

PRESENT C305 CODE: S

CORRECT C1105 CODE: 6

CORRECT C305 CODE: ~~S~~ blank

The current status of the above facility is:

- ☒ Certified Closure
- ☐ State confirms facility is not a TSD facility
- ☐ State confirms facility is less than 90 day storage
- ☐ Closure not necessary
- ☐ Facility converted to Generator status w/o full closure
- ☐ Facility is a Transporter

ADDITIONAL INFORMATION ON THE STATUS OF THIS FACILITY:

delete C1103

Ca

Jennifer Juri  
Signature of Reviewer

7/21/88  
Date



RTB File

ORIGINAL  
(Red)COMMONWEALTH OF PENNSYLVANIA  
Environmental Resources  
October 13, 1987  
8-354-1948

SUBJECT: Review of Solid State Scientific, Inc.  
Report and Work Plan  
Montgomeryville, Montgomery County

TO: BRUCE D. BEITLER Operations Supervisor Thru: LAWRENCE H. LUNSK  
Waste Management Facilities  
Supervisor

FROM: SARAH PANTELIDOU  
Hydrogeologist

I have reviewed the report and work plan and my comments follow:

Information provided by the consultant (Thor Helgason of Dames and Moore) revealed that an unknown prospective property owner installed four wells at the site. Subsequent ground water sampling revealed the volatile contamination in well 3. The solvents apparently originated in an underground tank used to store waste solvent from an electroplating operation. A closure plan (approved by DER?) was developed and carried out: Removal of the tank and its piping took place. Dames and Moore's position is that additional soil should be removed from the area around Well 3. I agree.

The report and work plan are approved with the following exceptions:

1. The Bureau of Dams and Waterways should be notified of the soil removal activity near a stream;
2. The voids encountered in boring 5 should be explained;
3. In task 6 of the work plan, regardless of the screening process used to identify contamination, soil removal should continue until 1 ppm total volatile organics remain in the soil.
4. Material used for backfilling should minimize infiltration of runoff into the area.

cc: George Danyliw, Field Supervisor  
John Smith, Bureau of Dams and Waterways  
Marilyn Shup, Field Supervisor, Water Quality  
Re 30 (DAC)286



ORIGINAL  
(Red)

COMMONWEALTH OF PENNSYLVANIA  
STD-502 REV. 4-83

DESK MEMORANDUM

SUBJECT

*Marilyn*  
SOLID STATE SCIENTIFIC - Montgomeryville

TO

MARILYN SHUP

FROM

CAROL Q

DATE SENT

*10/19/87*

DATE NEEDED

PLEASE CALL:	APPROVAL	SEE ME
RETURNED YOUR CALL	AS REQUESTED	COMMENT
INFORMATION & FILE	PREPARE REPLY/REPORT	NOTE AND RETURN
NECESSARY ACTION	SIGNATURE	

RECEIVED BY

DATE

TIME

ROUTE	INITIAL	DATE	ROUTE	INITIAL	DATE

MESSAGE:

Attached are copies of results  
from stream & sediment samples  
taken by James & Moore.

They will be drilling monitoring  
wells on 10/21/87.

Leak from waste solvent tank - looks  
like WM feed





# ANALYSIS REPORT

*Lancaster Laboratories*  
INCORPORATED

LLI Sample No. WW 1195225

Dames & Moore  
4620 E. Street Road  
Langhorne, PA 19047-6612

Date Reported 10/ 5/87  
Date Submitted 9/15/87  
Discard Date 11/ 5/87  
Collected by C  
P.O.  
Rel.

HVDC Montgomeryville Upstream Water Sample  
Collected on 09/14/87 (0840) by SJM

ANALYSIS	RESULT	LIMIT OF	LAB CODE
Purgables Method # 624	AS RECEIVED attached	DETECTION	052022000P

The chain of custody states the collection time as (0840) but the label states the time as (1030).

1 COPY TO Dames & Moore

ATTN: Thor Helgason, Proj. Engineer



Respectfully Submitted  
Lancaster Laboratories, Inc.  
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.  
Group Leader, Inorganics



Lancaster Laboratories

INCORPORATED

09/14/87-102034  
WK4453 D 1 10

LLI Sample No. WW 1195225

Dames & Moore  
4620 E. Street Road  
Langhorne, PA 19047-6612

Date Reported 10/ 5/87  
Date Submitted 9/15/87  
Discard Date 11/ 5/87  
Collected by C  
P.O.  
Rel.

HVDC Montgomeryville Upstream Water Sample  
Collected on 09/14/87 (0840) by SJM

	RESULT	LIMIT OF	LAB CODE
	AS RECEIVED	DETECTION	
Purgables Method # 624			
Chloromethane	N.D. ug/l	10.	082700000P
Bromomethane	N.D. ug/l	10.	082800000P
Vinyl chloride	N.D. ug/l	10.	082900000P
Chloroethane	N.D. ug/l	10.	083000000P
Acrolein	N.D. ug/l	100.	082400000P
Acrylonitrile	N.D. ug/l	100.	082500000P
Methylene chloride	N.D. ug/l	5.	083100000P
Trichlorofluoromethane	N.D. ug/l	5.	079000000P
1,1-Dichloroethene	N.D. ug/l	5.	083200000P
1,1-Dichloroethane	N.D. ug/l	5.	083300000P
trans-1,2-Dichloroethene	N.D. ug/l	5.	083400000P
Chloroform	N.D. ug/l	5.	083500000P
1,2-Dichloroethane	N.D. ug/l	5.	083600000P
1,1,1-Trichloroethane	7. ug/l	5.	083700000P
Carbon tetrachloride	N.D. ug/l	5.	083800000P
Bromodichloromethane	N.D. ug/l	5.	083900000P
1,1,2,2-Tetrachloroethane	N.D. ug/l	5.	084900000P
1,2-Dichloropropane	N.D. ug/l	5.	084000000P
trans-1,3-Dichloropropene	N.D. ug/l	5.	084100000P
Trichloroethene	11. ug/l	5.	084200000P
Dibromochloromethane	N.D. ug/l	5.	084600000P
1,1,2-Trichloroethane	N.D. ug/l	5.	084500000P
Benzene	N.D. ug/l	5.	084300000P
cis-1,3-Dichloropropene	N.D. ug/l	5.	084400000P
2-Chloroethylvinyl ether	N.D. ug/l	10.	082600000P
Bromoform	N.D. ug/l	5.	084700000P
Tetrachloroethene	N.D. ug/l	5.	084800000P
Toluene	N.D. ug/l	5.	085000000P
Chlorobenzene	N.D. ug/l	5.	085100000P
Ethylbenzene	N.D. ug/l	5.	085200000P

1 COPY TO Dames &amp; Moore

ATTN: Thor Helgason, Proj. Engineer

The American Association for  
Laboratory Accreditation  
Chemical & Biological fields of testing



Member American Council of  
Independent Laboratories Inc.



SEE REVERSE SIDE FOR EXPLANATION  
OF SYMBOLS AND ABBREVIATIONS AND  
OUR STANDARD TERMS AND CONDITIONS

Respectfully Submitted  
Lancaster Laboratories, Inc.  
Reviewed and Approved by:

Nelson H. Risser B.A.  
Senior Chemist- GC/MS



# ANALYSIS REPORT

*Lancaster Laboratories* INCORPORATED

WK4453 D 1 10

Dames & Moore  
4620 E. Street Road  
Langhorne, PA 19047-6612

HVDC Montgomeryville Downstream Water Sample  
Collected on 09/14/87 (0845) by SJM

LLI Sample No. WW 1195226

Date Reported 10/ 5/87  
Date Submitted 9/15/87  
Discard Date 11/ 5/87  
Collected by C  
P.O.  
Rel.

ORIGINAL  
(Red)

## ANALYSIS

Purgables Method # 624

RESULT  
AS RECEIVED

attached

LIMIT OF  
DETECTION

LAB CODE  
052022000P

The chain of custody states the collection time as (0845) but the chain states the time as (1030).

1 COPY TO Dames & Moore

ATTN: Thor Helgason, Proj. Engineer

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Laboratory Accreditation  
Chemical & Biological fields of testing



Member: American Council of  
Independent Laboratories, Inc.



04083 0.00 022000

SEE REVERSE SIDE FOR EXPLANATION  
OF SYMBOLS AND ABBREVIATIONS AND  
OUR STANDARD TERMS AND CONDITIONS

Respectfully Submitted  
Lancaster Laboratories, Inc.  
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.  
-Group Leader, Inorganics



Lancaster Laboratories

INCORPORATED

WK4453 D-1 10

LLI Sample No. WW 1195226

Dames & Moore  
4620 E. Street Road  
Langhorne, PA 19047-6612

Date Reported 10/ 5/87  
Date Submitted 9/15/87  
Discard Date 11/ 5/87  
Collected by C  
P.O.  
Rel.

HVDC Montgomeryville Downstream Water Sample  
Collected on 09/14/87 (0845) by SJM

	RESULT	LIMIT OF	LAB CODE
	AS RECEIVED	DETECTION	
Purgables Method # 624			
Chloromethane	N.D. ug/l	10.	082700000P
Bromomethane	N.D. ug/l	10.	082800000P
Vinyl chloride	N.D. ug/l	10.	082900000P
Chloroethane	N.D. ug/l	10.	083000000P
Acrolein	N.D. ug/l	100.	082400000P
Acrylonitrile	N.D. ug/l	100.	082500000P
Methylene chloride	N.D. ug/l	5.	083100000P
Trichlorofluoromethane	N.D. ug/l	5.	079000000P
1,1-Dichloroethene	N.D. ug/l	5.	083200000P
1,1-Dichloroethane	N.D. ug/l	5.	083300000P
trans-1,2-Dichloroethene	68. ug/l	5.	083400000P
Chloroform	N.D. ug/l	5.	083500000P
1,2-Dichloroethane	N.D. ug/l	5.	083600000P
1,1,1-Trichloroethane	N.D. ug/l	5.	083700000P
Carbon tetrachloride	N.D. ug/l	5.	083800000P
Bromodichloromethane	N.D. ug/l	5.	083900000P
1,1,2,2-Tetrachloroethane	N.D. ug/l	5.	084900000P
1,2-Dichloropropane	N.D. ug/l	5.	084000000P
trans-1,3-Dichloropropene	N.D. ug/l	5.	084100000P
Trichloroethene	44. ug/l	5.	084200000P
Dibromochloromethane	N.D. ug/l	5.	084600000P
1,1,2-Trichloroethane	N.D. ug/l	5.	084500000P
Benzene	N.D. ug/l	5.	084300000P
cis-1,3-Dichloropropene	N.D. ug/l	5.	084400000P
2-Chloroethylvinyl ether	N.D. ug/l	10.	082600000P
Bromoform	N.D. ug/l	5.	084700000P
Tetrachloroethene	N.D. ug/l	5.	084800000P
Toluene	N.D. ug/l	5.	085000000P
Chlorobenzene	N.D. ug/l	5.	085100000P
Ethylbenzene	N.D. ug/l	5.	085200000P

1 COPY TO Dames &amp; Moore

ATTN: Thor Helgason, Proj. Engineer

The American Association for  
Laboratory Accreditation  
Chemical & Biological fields of testing



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Independent Laboratories, Inc.



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OF SYMBOLS AND ABBREVIATIONS AND  
OUR STANDARD TERMS AND CONDITIONS

Respectfully Submitted  
Lancaster Laboratories, Inc.  
Reviewed and Approved by:

Nelson H. Risser B.A.  
Senior Chemist- GC/MS



**Lancaster Laboratories** INCORPORATED

LLI Sample No. SW 1195223

Dames & Moore  
4620 E. Street Road  
Langhorne, PA 19047-6612

Date Reported 10/ 5/87  
Date Submitted 9/15/87  
Discard Date 11/ 5/87  
Collected by C  
P.O.  
Rel.

HVDC Montgomeryville US-1 Upstream Grab Sediment  
Collected on 09/14/87 (1000) by SJM

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Moisture	22.7 % by wt.	0.1	011101000P
Purgables Method # 624	attached		052022000P

The chain of custody states the collection time as (1000) but the label states the time as (1030).

1 COPY TO Dames & Moore

ATTN: Thor Helgason, Proj. Engineer



Respectfully Submitted  
Lancaster Laboratories, Inc.  
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.  
Group Leader, Inorganics





Lancaster Laboratories  
INCORPORATED

07-14-87 16285

LLI Sample No. SW 1195223

Dames & Moore  
4620 E. Street Road  
Langhorne, PA 19047-6612

Date Reported 10/ 5/87  
Date Submitted 9/15/87  
Discard Date 11/ 5/87  
Collected by C  
P.O.  
Rel.

HVDC Montgomeryville US-1 Upstream Grab Sediment  
Collected on 09/14/87 (1000) by SJM

Purgables Method # 624	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Chloromethane	N.D. mg/kg	0.2	082700000P
Bromomethane	N.D. mg/kg	0.2	082800000P
Vinyl chloride	N.D. mg/kg	0.2	082900000P
Chloroethane	N.D. mg/kg	0.2	083000000P
Acrolein	N.D. mg/kg	2.	082400000P
Acrylonitrile	N.D. mg/kg	2.	082500000P
Methylene chloride	N.D. mg/kg	0.1	083100000P
Trichlorofluoromethane	N.D. mg/kg	0.1	079000000P
1,1-Dichloroethene	N.D. mg/kg	0.1	083200000P
1,1-Dichloroethane	N.D. mg/kg	0.1	083300000P
trans-1,2-Dichloroethene	N.D. mg/kg	0.1	083400000P
Chloroform	N.D. mg/kg	0.1	083500000P
1,2-Dichloroethane	N.D. mg/kg	0.1	083600000P
1,1,1-Trichloroethane	N.D. mg/kg	0.1	083700000P
Carbon tetrachloride	N.D. mg/kg	0.1	083800000P
Bromodichloromethane	N.D. mg/kg	0.1	083900000P
1,1,2,2-Tetrachloroethane	N.D. mg/kg	0.1	084900000P
1,2-Dichloropropane	N.D. mg/kg	0.1	084000000P
trans-1,3-Dichloropropene	N.D. mg/kg	0.1	084100000P
Trichloroethene	0.1 mg/kg	0.1	084200000P
Dibromochloromethane	N.D. mg/kg	0.1	084600000P
1,1,2-Trichloroethane	N.D. mg/kg	0.1	084500000P
Benzene	N.D. mg/kg	0.1	084300000P
cis-1,3-Dichloropropene	N.D. mg/kg	0.1	084400000P
2-Chloroethylvinyl ether	N.D. mg/kg	0.2	082600000P
Bromoform	N.D. mg/kg	0.1	084700000P
Tetrachloroethene	N.D. mg/kg	0.1	084800000P
Toluene	N.D. mg/kg	0.1	085000000P
Chlorobenzene	N.D. mg/kg	0.1	085100000P
Ethylbenzene	N.D. mg/kg	0.1	085200000P

1 COPY TO Dames &amp; Moore

ATTN: Thor Helgason, Proj. Engineer

Respectfully Submitted  
Lancaster Laboratories, Inc.  
Reviewed and Approved by:

Nelson H. Risser B.A.  
Senior Chemist GC/MS

The American Association for  
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Chemical & Biological fields of testing



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OUR STANDARD TERMS AND CONDITIONS





# ANALYSIS REPORT

## Lancaster Laboratories

INCORPORATED

02-12-3-162854  
MR 4135 B-1-10

LLI Sample No. SW 1195223

Dames & Moore  
4620 E. Street Road  
Langhorne, PA 19047-6612

Date Reported 10/ 5/87  
Date Submitted 9/15/87  
Discard Date 11/ 5/87  
Collected by C  
P.O.  
Rel.

HVDC Montgomeryville US-1 Upstream Grab Sediment  
Collected on 09/14/87 (1000) by SJM

ANALYSIS	RESULT	LIMIT OF	LAB CODE
Purgables Method # 624	DRY WT. BASIS attached	DETECTION	052001000P

The chain of custody states the collection time as (1000) but the label states the time as (1030).

1 COPY TO Dames & Moore

ATTN: Thor Helgason, Proj. Engineer

Respectfully Submitted  
Lancaster Laboratories, Inc.  
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.  
Group Leader, Inorganics

The American Association for  
Laboratory Accreditation  
Chemical & Biological fields of testing



SEE REVERSE SIDE FOR EXPLANATION  
OF SYMBOLS AND ABBREVIATIONS AND  
OUR STANDARD TERMS AND CONDITIONS

Member American Council of  
Independent Laboratories, Inc.



## ANALYSIS REPORT

*Lancaster Laboratories* INCORPORATED

LLI Sample No. SW 1195223

Dames & Moore  
4620 E. Street Road  
Langhorne, PA 19047-6612

Date Reported 10/ 5/87  
Date Submitted 9/15/87  
Discard Date 11/ 5/87  
Collected by C  
P.O.  
Rel.

HVDC Montgomeryville US-1 Upstream Grab Sediment  
Collected on 09/14/87 (1000) by SJM

	RESULT	LIMIT OF	LAB CODE
	DRY WT. BASIS	DETECTION	
Purgables Method # 624			
Chloromethane	N.D. mg/kg	0.3	082700000P
Bromomethane	N.D. mg/kg	0.3	082800000P
Vinyl chloride	N.D. mg/kg	0.3	082900000P
Chloroethane	N.D. mg/kg	0.3	083000000P
Acrolein	N.D. mg/kg	3.	082400000P
Acrylonitrile	N.D. mg/kg	3.	082500000P
Methylene chloride	N.D. mg/kg	0.1	083100000P
Trichlorofluoromethane	N.D. mg/kg	0.1	079000000P
1,1-Dichloroethene	N.D. mg/kg	0.1	083200000P
1,1-Dichloroethane	N.D. mg/kg	0.1	083300000P
trans-1,2-Dichloroethene	N.D. mg/kg	0.1	083400000P
Chloroform	N.D. mg/kg	0.1	083500000P
1,2-Dichloroethane	N.D. mg/kg	0.1	083600000P
1,1,1-Trichloroethane	N.D. mg/kg	0.1	083700000P
Carbon tetrachloride	N.D. mg/kg	0.1	083800000P
Bromodichloromethane	N.D. mg/kg	0.1	083900000P
1,1,2,2-Tetrachloroethane	N.D. mg/kg	0.1	084900000P
1,2-Dichloropropane	N.D. mg/kg	0.1	084000000P
trans-1,3-Dichloropropene	N.D. mg/kg	0.1	084100000P
Trichloroethene	0.13 mg/kg	0.1	084200000P
Dibromochloromethane	N.D. mg/kg	0.1	084600000P
1,1,2-Trichloroethane	N.D. mg/kg	0.1	084500000P
Benzene	N.D. mg/kg	0.1	084300000P
cis-1,3-Dichloropropene	N.D. mg/kg	0.1	084400000P
2-Chloroethylvinyl ether	N.D. mg/kg	0.3	082600000P
Bromoform	N.D. mg/kg	0.1	084700000P
Tetrachloroethene	N.D. mg/kg	0.1	084800000P
Toluene	N.D. mg/kg	0.1	085000000P
Chlorobenzene	N.D. mg/kg	0.1	085100000P
Ethylbenzene	N.D. mg/kg	0.1	085200000P

1 COPY TO Dames & Moore

ATTN: Thor Helgason, Proj. Engineer

Respectfully Submitted  
Lancaster Laboratories, Inc.  
Reviewed and Approved by:

Nelson H. Risser B.A.  
Senior Chemist- GC/MS

The American Association for  
Laboratory Accreditation  
Chemical & Biological fields of testing



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SEE REVERSE SIDE FOR EXPLANATION  
OF SYMBOLS AND ABBREVIATIONS AND  
OUR STANDARD TERMS AND CONDITIONS



# ANALYSIS REPORT

*Lancaster Laboratories* INCORPORATED

0/15/87 162854

Dames & Moore  
4620 E. Street Road  
Langhorne, PA 19047-6612

LLI Sample No. SW 1195224

Date Reported 10/ 5/87  
Date Submitted 9/15/87  
Discard Date 11/ 5/87  
Collected by C  
P.O.  
Rel.

ORIGINAL  
(Red)

HVDC Montgomeryville DS-1 Downstream Grab Sediment  
Collected on 09/14/87 (1015) by SJM

ANALYSIS	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Moisture	19.1 % by wt.	0.1	011101000P
Purgables Method # 624	attached		052022000P

The chain of custody states the collection time as (1015) but the label states the time as (1030).

1 COPY TO Dames & Moore

ATTN: Thor Helgason, Proj. Engineer

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04083 25.00 025500

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Respectfully Submitted  
Lancaster Laboratories, Inc.  
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.  
Group Leader, Inorganics



*Lancaster Laboratories* INCORPORATED

07-42-41-162852  
WK4455-B-1-10

LLI Sample No. SW 1195224

Dames & Moore  
4620 E. Street Road  
Langhorne, PA 19047-6612

Date Reported 10/ 5/87  
Date Submitted 9/15/87  
Discard Date 11/ 5/87  
Collected by C  
P.O.  
Rel.

HVDC Montgomeryville DS-1 Downstream Grab Sediment  
Collected on 09/14/87 (1015) by SJM

	RESULT AS RECEIVED	LIMIT OF DETECTION	LAB CODE
Purgables Method # 624			
Chloromethane	N.D. mg/kg	0.2	082700000P
Bromomethane	N.D. mg/kg	0.2	082800000P
Vinyl chloride	N.D. mg/kg	0.2	082900000P
Chloroethane	N.D. mg/kg	0.2	083000000P
Acrolein	N.D. mg/kg	2.	082400000P
Acrylonitrile	N.D. mg/kg	2.	082500000P
Methylene chloride	N.D. mg/kg	0.1	083100000P
Trichlorofluoromethane	N.D. mg/kg	0.1	079000000P
1,1-Dichloroethene	N.D. mg/kg	0.1	083200000P
1,1-Dichloroethane	N.D. mg/kg	0.1	083300000P
trans-1,2-Dichloroethene	N.D. mg/kg	0.1	083400000P
Chloroform	N.D. mg/kg	0.1	083500000P
1,2-Dichloroethane	N.D. mg/kg	0.1	083600000P
1,1,1-Trichloroethane	N.D. mg/kg	0.1	083700000P
Carbon tetrachloride	N.D. mg/kg	0.1	083800000P
Bromodichloromethane	N.D. mg/kg	0.1	083900000P
1,1,2,2-Tetrachloroethane	N.D. mg/kg	0.1	084900000P
1,2-Dichloropropane	N.D. mg/kg	0.1	084000000P
trans-1,3-Dichloropropene	N.D. mg/kg	0.1	084100000P
Trichloroethene	N.D. mg/kg	0.1	084200000P
Dibromochloromethane	N.D. mg/kg	0.1	084600000P
1,1,2-Trichloroethane	N.D. mg/kg	0.1	084500000P
Benzene	N.D. mg/kg	0.1	084300000P
cis-1,3-Dichloropropene	N.D. mg/kg	0.1	084400000P
2-Chloroethylvinyl ether	N.D. mg/kg	0.2	082600000P
Bromoform	N.D. mg/kg	0.1	084700000P
Tetrachloroethene	N.D. mg/kg	0.1	084800000P
Toluene	N.D. mg/kg	0.1	085000000P
Chlorobenzene	N.D. mg/kg	0.1	085100000P
Ethylbenzene	N.D. mg/kg	0.1	085200000P

1 COPY TO Dames & Moore

ATTN: Thor Helgason, Proj. Engineer

Respectfully Submitted  
Lancaster Laboratories, Inc.  
Reviewed and Approved by:

Nelson H. Risser B.A.  
Senior Chemist- GC/MS







# ANALYSIS REPORT

*Lancaster Laboratories* INCORPORATED

LLI Sample No. SW 1195224

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Langhorne, PA 19047-6612

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Collected by C  
P.O.  
Rel.

HVDC Montgomeryville DS-1 Downstream Grab Sediment  
Collected on 09/14/87 (1015) by SJM

## ANALYSIS

Purgables Method # 624

RESULT  
DRY WT. BASIS

attached

LIMIT OF  
DETECTION

LAB CODE  
052001000P

The chain of custody states the collection time as (1015) but the label states the time as (1030).

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Respectfully Submitted  
Lancaster Laboratories, Inc.  
Reviewed and Approved by:

Timothy S. Oostdyk, B.A.  
Group Leader, Inorganics



Lancaster Laboratories

INCORPORATED

07/24/87 16:35

WK 4733 B 1 1 1

LLI Sample No. SW 1195224

Dames & Moore  
4620 E. Street Road  
Langhorne, PA 19047-6612

Date Reported 10/ 5/87  
Date Submitted 9/15/87  
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P.O.  
Rel.

HVDC Montgomeryville DS-1 Downstream Grab Sediment  
Collected on 09/14/87 (1015) by SJM

Purgables Method # 624	RESULT	LIMIT OF	LAB CODE
	DRY WT. BASIS	DETECTION	
Chloromethane	N.D. mg/kg	0.2	082700000P
Bromomethane	N.D. mg/kg	0.2	082800000P
Vinyl chloride	N.D. mg/kg	0.2	082900000P
Chloroethane	N.D. mg/kg	0.2	083000000P
Acrolein	N.D. mg/kg	2.	082400000P
Acrylonitrile	N.D. mg/kg	2.	082500000P
Methylene chloride	N.D. mg/kg	0.1	083100000P
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1,1-Dichloroethene	N.D. mg/kg	0.1	083200000P
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Ethylbenzene	N.D. mg/kg	0.1	085200000P

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